

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER No. PA-232-D

Juniata Shops, Erecting Shop and Machine Shop
East of Fourth Avenue between Fourth and Fifth streets
Altoona
Blair County
Pennsylvania

Jack Boucher, Photographer, 1988

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|-------------|---|
| PA-232-D-1 | BORING MILL ELECTRICAL CONTROL CONSOLE. Tom Lechner, operator. |
| PA-232-D-2 | GENERAL VIEW OF HYDRAULIC 48" BORING MILL. Manufactured by Simmons Machine Tool Corporation, Albany, New York, and Betts Company, a division of Niles Tool Company, Hamilton, Ohio. |
| PA-232-D-3 | VIEW OF BORING MILL IN OPERATION, operator unknown (note console in background). |
| PA-232-D-4 | VIEW OF BORING MILL IN OPERATION, operator unknown (note console in background). |
| PA-232-D-5 | VIEW OF BORING MILL IN OPERATION (note console in background). |
| PA-232-D-6 | VIEW OF BORING MILL. Chuck action of locomotive wheel
Wheel weight 1200 pounds, 3'-0" diameter. Table 53" in diameter
Wheel is 48". Largest hole that can be bored is 9-1/2" <u>plus</u>
(GE axle is 10"). |
| PA-232-D-7 | VIEW OF BORING MILL, showing manipulator positioning wheel. |
| PA-232-D-8 | VIEW OF WHEEL RACK FOR BORING MILL. Fork loading crane, manufactured by Cleveland Tramrail, 2-1/2 ton capacity. |
| PA-232-D-9 | VIEW OF WHEEL RACK FOR BORING MILL. Fork loading crane, manufactured by Cleveland Tramrail, 2-1/2 ton capacity. |
| PA-232-D-10 | GENERAL VIEW OF NILES TREAD LATHE, Niles Tool Company, Hamilton, Ohio. |

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PA-232-D-11	VIEW OF NILES TREAD LATHE. Turning down tread on wheels. Wilbur Johnston, operator.
PA-232-D-12	VIEW OF NILES TREAD LATHE. Turning down tread on wheels. Wilbur Johnston, operator.
PA-232-D-13	DETAIL VIEW OF AXLE LATHE. Polishing journals on lathe. Wilbur Johnston, operator.
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PA-232-D-15	VIEW OF AXLE LATHE. Gary Stich, operator.
PA-232-D-16	VIEW OF AXLE LATHE. Gary Stich, operator.
PA-232-D-17	VIEW OF MOUNTING PRESS. 200-ton to mount gear and wheels on axles, Baldwin Press. Jim Lumadue and Tom Morgan, operators.
PA-232-D-18	DETAIL VIEW OF MOUNTING PRESS SHOWING FINISHING WORK ON WHEELS AND AXLE.
PA-232-D-19	VIEW OF MOUNTING PRESS, showing removal of water guard prior to dismounting from press. Gary Stich, operator.
PA-232-D-20	VIEW OF WATSON STILHMAN DISMOUNTING WHEEL PRESS. 600 tons. Gary Stich, operator.
PA-232-D-21	VIEW OF AXLE AND WHEEL ASSEMBLY STORAGE AREA, adjacent to Erecting Shop and Machine Shop.
PA-232-D-22	VIEW OF TRUCK PREPARATION AREA, prior to positioning in truck washer (in middle-ground of photograph).
PA-232-D-23	VIEW OF "PROCECO" WHEEL WASHER (uses spaulk and hot alkaline solution), Don N. Calabese, operator.